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DETAILED ACTION

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1.   This communication is responsive to the amendment filed 07/03/2008 and the telephonic

interview on 10/07/2008.

Claims 1, 2, 4-6, 8-13, 15, 21-23, and 41 have been examined and allowed.

2.   **EXAMINER'S AMENDMENT:**

An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as

provided by 37 CFR 1.312. To ensure consideration of such an amendment, it

MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview

with Ms. Bhavani Rayaprolu (Registration No. 56, 583) on 10/07/2008.

The application has been amended as follows:
In the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the

application:

1. (Currently Amended) A computer implemented system that facilitates processing of a document, comprising a processor executing following components:

     a host application that facilitates creation of the document;

     a programming component that at least one of embeds code in the document ~~and~~ or links code to another document such that the document can be run independently of the host application; ~~and~~

     a data island of data ~~comprised~~ generated within the document accessible by a server and a client of the server such that the data island is modified on the server without having to start the host application on the server and contents of the data are synchronized with the document contents when the document runs inside the host application; and

     a data model that is connected to the data island to work directly against data of the data island, and changes to the data model are moved into the document contents via data binding.

2. (Currently Amended) The system of claim 1, the document runs on [[a]] the client and [[a]] the server.

3. (Cancelled)

4. (Original) The system of claim 1, the programming component separates document information into data content and view content.

5. (Original) The system of claim 4, the view content maps programmable names to generic API (Application Program Interface) objects, which objects are exposed as view controls that can be programmed against.

6. (Currently Amended) The system of claim 4, the data content acts indirectly against the view content via the data binding.

7. (Cancelled)

8. (Currently Amended) The system of claim [[7]] 1, the data island in the document conforms to a predetermined data schema and can be edited without the full host application running.

9. (Currently Amended) The system of claim 1, the programming component is event based such that the code runs according to an event that is related to [[a]] the client or [[a]] the server.

10. (Original) The system of claim 1 generates a runtime exception when a system error occurs.

11. (Currently Amended) The system of claim 1 controls permissions associated with the

document according to whether the document is running on [[a]] the client or [[a]] the

server.

12. (Currently Amended) The system of claim 1, the code includes data code portions of

which are attributed to indicate if the corresponding data can be run on [[a]] the client,

[[a]] the server, or both.

13. (Previously Presented) A computer according to the system of claim 1.

14. (Canceled)

15. (Currently Amended) A computer implemented system that facilitates processing of a

document, comprising a processor executing the following components:

        a host application that facilitates creation of the document; and

        a data component that facilitates creation of a data island that is at least one of

embedded in the document and or linked to from another document such that the

document can be run with only a subset of all components of the host application on both

a client and a server, wherein the data island conforms to a data schema associated with

the document, the data island is edited by running only a subset of components of the

host application without having to start the host application and the data island is

synchronized with document contents when the document is run inside the host

application; and

a data model that is connected to the data island to work directly against data of

the data island, and changes to the data model are moved into the document contents via

a data binding mechanism.

16. -20. (Canceled)

21. (Original) The system of claim 15, data of the data island can be cached by marking

the data using an attribute.

22. (Original) The system of claim 15, the document is one of an OLE structured

document, an XML file, and a binary file that facilitates storing a persisted state of

cached data, wherein if the document is a binary file, a reader/writer of the host

application can be employed to insert the data island into the binary file and which

reader/writer can be used to edit the data island.

23. (Original) The system of claim 22, when the OLE document is processed on either a

client or a server, the cached data can be reconstituted out of the OLE document,

manipulated, and changes to the cached data stored back into the OLE document.

24-40. (Canceled)

41. (Currently Amended) A computer readable storage medium having stored thereon the following computer executable components:

a host application that facilitates creation of the document;

a programming component that at least one of embeds code in the document ~~and~~ or links code to another document such that the document can be run independently of the host application; ~~and~~

a data island of data ~~comprised~~ generated within the document accessible by a server and a client of the server such that the data island is modified on the server without having to start the host application on the server and contents of the data are synchronized with the document contents when the document runs inside the host application; and

a data model that is connected to the data island to work directly against data of the data island, and changes to the data model are moved into the document contents via a data binding mechanism.

3.   **REASONS FOR ALLOWANCE:**

Claims 1, 2, 4-6, 8-13, 15, 21-23, and 41 are allowed.

The following is an examiner's statement of reasons for allowance:

Interpreting the claims in light of the specification, Examiner finds the claimed invention is patentably distinct from the prior art of record.

The prior art does not expressly teach or render obvious the invention as recited in independent claims 1, 15, and 41.

The features:

- *"a data island of data generated within the document accessible by a server and a client of the server such that the data island is modified on the server without having to start the host application on the server and contents of the data are synchronized with the document contents when the document runs inside the host application; and a data model that is connected to the data island to work directly against data of the data island, and changes to the data model are moved into the document contents via data binding"* (independent Claims 1and 41)

- *"the data island conforms to a data schema associated with the document, the data island is edited by running only a subset of components of the host application without having to start the host application and the data island is synchronized with document contents when the document is run inside the host application; and a data model that is connected to the data island to work directly against data of the data island, and changes to the data model are moved into the document contents via a data binding mechanism"* (independent Claim 15).

when taken in the context of the claims as a whole, were not uncovered in the prior art

teachings.

Dependent claims are allowed as they depend upon allowable independent claims.

Any comments considered necessary by applicant must be submitted no later than

the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments

on Statement of Reasons for Allowance."

CONTACT INFORMATION

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to VAN H. NGUYEN whose telephone number is (571)

272-3765. The examiner can normally be reached on Monday-Thursday from 8:30AM -

6:00PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, MENG-AI AN can be reached at (571) 272-3756.

The fax phone number for the organization where this application or proceeding is

assigned is **571-273-8300**.

Information regarding the status of an application may be obtained from the Patent

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applications may be obtained from either Private PAIR or Public PAIR. Status

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more information about the PAIR system, see http://pair direct.uspto.gov. Should you

have questions on access to the Private PAIR system, contact the Electronic Business

Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO

Customer Service Representative or access to the automated information system, call

800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/VAN H NGUYEN/
Primary Examiner, Art Unit 2194